◆**IEEE**

Membership   Publications/Services   Standards   Conferences   Careers/Jobs

# IEEE *Xplore*®
RELEASE 1.6

IEEE *Xplore*®
1 Million Documents
1 Million Users
...And Growing

Help   FAQ   Terms   IEEE Peer Review     **Quick Links**            ▽          » Se.

**Welcome to IEEE Xplore®**

O- **Home**
O- **What Can I Access?**
O- **Log-out**

**Tables of Contents**

O- **Journals & Magazines**
O- **Conference Proceedings**
O- **Standards**

**Search**

O- **By Author**
O- **Basic**
O- **Advanced**

**Member Services**

O- **Join IEEE**
O- **Establish IEEE Web Account**
O- **Access the IEEE Member Digital Library**

Your search matched **3** of **1024576** documents.
A maximum of **500** results are displayed, **15** to a page, sorted by **Relevanc** **Descending** order.

**Refine This Search:**
You may refine your search by editing the current search expression or enter new one in the text box.

| multi operating system | **Search** |

☐ Check to search within this result set

**Results Key:**
**JNL** = Journal or Magazine   **CNF** = Conference   **STD** = Standard
📘 = Your access to full-text

---

1 **SDH network equipment architecture controlled by multi operation systems**
*Harada, K.; Tamaki, N.; Matsuoka, S.;*
Global Telecommunications Conference, 1994. GLOBECOM '94. 'Communicati
The Global Bridge'., IEEE , Volume: 2 , 28 Nov.-2 Dec. 1994
Pages:1162 - 1165 vol.2

[Abstract]   [PDF Full-Text (424 KB)]   **IEEE CNF**

---

2 **Performance comparison between ATM LAN emulation, classical IP ATM, and native ATM in a multi-platform multi-operating system environment**
*Driscoll, D.J.; Mehravari, N.; Olson, M.H.;*
MILCOM 97 Proceedings , Volume: 1 , 2-5 Nov. 1997
Pages:434 - 438 vol.1

[Abstract]   [PDF Full-Text (548 KB)]   **IEEE CNF**

---

3 **The hot line work robot system "Phase II" and its human-robot inte "MOS"**
*Nakashima, M.; Yano, K.; Maruyama, Y.; Yakabe, H.;*
Intelligent Robots and Systems 95. 'Human Robot Interaction and Cooperativ
Robots', Proceedings. 1995 IEEE/RSJ International Conference on , Volume: ﾝ
Aug. 1995
Pages:116 - 123 vol.2

[Abstract]   [PDF Full-Text (754 KB)]   **IEEE CNF**
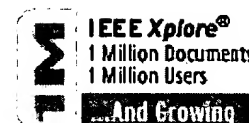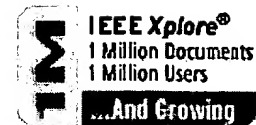
---

IEEE HOME | SEARCH IEEE | SHOP | WEB ACCOUNT | CONTACT IEEE

**⬧IEEE**

Membership  Publications/Services  Standards  Conferences  Careers/Jobs

# IEEE *Xplore*®
RELEASE 1.6

IEEE *Xplore*®
1 Million Documents
1 Million Users
...And Growing

Help   FAQ   Terms   IEEE Peer Review

Quick Links

» Se.

**Welcome to IEEE Xplore⁴**

O- Home
O- What Can
  I Access?
O- Log-out

**Tables of Contents**

O- Journals
  & Magazines
O- Conference
  Proceedings
O- Standards

**Search**

O- By Author
O- Basic
O- Advanced

**Member Services**

O- Join IEEE
O- Establish IEEE
  Web Account

O- Access the
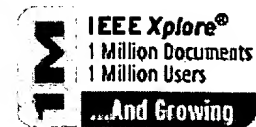  IEEE Member
  Digital Library

Your search matched **0** of **1024576** documents.
A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance Descending** order.

**Refine This Search:**
You may refine your search by editing the current search expression or enteri
new one in the text box.

dual oss

Search

☐ Check to search within this result set

**Results Key:**
**JNL** = Journal or Magazine   **CNF** = Conference   **STD** = Standard
📕 = Your access to full-text

**Results:**
**No documents matched your query.**

Home | Log-out | Journals | Conference Proceedings | Standards | Search by Author | Basic Search | Advanced Search | Join IEEE | Web Account |
New this week | OPAC Linking Information | Your Feedback | Technical Support | Email Alerting | No Robots Please | Release Notes | IEEE Online
Publications | Help | FAQ | Terms | Back to Top

IEEE HOME I SEARCH IEEE I SHOP I WEB ACCOUNT I CONTACT IEEE

◈IEEE

Membership   Publications/Services   Standards   Conferences   Careers/Jobs

# IEEE Xplore®
### RELEASE 1.6

IEEE Xplore®
1 Million Documents
1 Million Users
...And Growing

Help   FAQ   Terms   IEEE Peer Review    | Quick Links                    ▽|          » Se.

**Welcome to IEEE Xplore**

○- Home
○- What Can
  I Access?
○- Log-out

**Tables of Contents**

○- Journals
  & Magazines
○- Conference
  Proceedings
○- Standards

**Search**

○- By Author
○- Basic
○- Advanced

**Member Services**

○- Join IEEE
○- Establish IEEE
  Web Account

○- Access the
  IEEE Member
  Digital Library

Your search matched **0** of **1024576** documents.
A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance Descending** order.

### Refine This Search:
You may refine your search by editing the current search expression or enteri new one in the text box.

| dual operating systems                                    |   **Search**

☐ Check to search within this result set

### Results Key:
**JNL** = Journal or Magazine   **CNF** = Conference   **STD** = Standard
▧ = Your access to full-text

---

### Results:
### No documents matched your query.

◈IEEE

**Membership   Publications/Services   Standards   Conferences   Careers/Jobs**

# IEEE Xplore®
### RELEASE 1.6

IEEE Xplore®
1 Million Documents
1 Million Users
And Growing

Help   FAQ   Terms   IEEE Peer Review   |   **Quick Links**   ▽          » Se.

**Welcome to IEEE Xplore**

○- **Home**
○- **What Can I Access?**
○- **Log-out**

**Tables of Contents**

○- **Journals & Magazines**
○- **Conference Proceedings**
○- **Standards**

**Search**

○- **By Author**
○- **Basic**
○- **Advanced**

**Member Services**

○- **Join IEEE**
○- **Establish IEEE Web Account**

○- **Access the IEEE Member Digital Library**

Your search matched **15** of **1024576** documents.
A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance Descending** order.

**Refine This Search:**
You may refine your search by editing the current search expression or enteri new one in the text box.

| multiple operating systems | **Search** |

☐ Check to search within this result set

**Results Key:**
**JNL** = Journal or Magazine   **CNF** = Conference   **STD** = Standard
📇 = Your access to full-text

---

1 **Amdahl multiple-domain architecture**
*Doran, R.W.;*
Computer , Volume: 21 , Issue: 10 , Oct. 1988
Pages:20 - 28

[Abstract]    [PDF Full-Text (788 KB)]    IEEE JNL

---

2 **Do you know where your architecture is?**
*Vinoski, S.;*
Internet Computing, IEEE , Volume: 7 , Issue: 5 , Sept.-Oct. 2003
Pages:86 - 88

[Abstract]    [PDF Full-Text (267 KB)]    IEEE JNL

---

3 **Developing next-generation distributed applications with QoS enabl DPE middleware**
*Schmidt, D.C.; Kachroo, V.; Krishnamurthy, Y.; Kuhns, F.;*
Communications Magazine, IEEE , Volume: 38 , Issue: 10 , Oct. 2000
Pages:112 - 123

[Abstract]    [PDF Full-Text (136 KB)]    IEEE JNL

---

4 **SPEC CPU2000: measuring CPU performance in the New Millennium**
*Henning, J.L.;*
Computer , Volume: 33 , Issue: 7 , July 2000
Pages:28 - 35

[Abstract]    [PDF Full-Text (200 KB)]    IEEE JNL

---

### 5 Optimizing the implementation of a MANET routing protocol in a heterogeneous environment

*Calafate, C.M.T.; Garcia, R.G.; Manzoni, P.;*
Computers and Communication, 2003. (ISCC 2003). Proceedings. Eighth IEEI International Symposium on , 30 June-3 July 2003
Pages:217 - 222 vol.1

[Abstract]    [PDF Full-Text (273 KB)]    **IEEE CNF**

### 6 Zen and the art of Alpha verification

*Dohm, N.; Ramey, C.; Brown, D.; Hildebrandt, S.; Huggins, J.; Quinn, M.; Ta S.;*
Computer Design: VLSI in Computers and Processors, 1998. ICCD '98.
Proceedings., International Conference on , 5-7 Oct. 1998
Pages:111 - 117

[Abstract]    [PDF Full-Text (52 KB)]    **IEEE CNF**

### 7 The Motorola PowerPC™ PEEK profiler

*Stewart, K.; Butt, F.; Sarkisian, D.; Breternitz, M., Jr.;*
Performance, Computing, and Communications Conference, 1997. IPCCC 199 IEEE International , 5-7 Feb. 1997
Pages:342 - 349

[Abstract]    [PDF Full-Text (824 KB)]    **IEEE CNF**

### 8 Configuration management strategy for distributed and diverse soft development environments

*Gumaste, U.V.; Ti-Chung R. Hsueh; Nocera, A.A.; Yiu Kwan Wo;*
Industrial Technology, 1996. (ICIT '96), Proceedings of The IEEE Internationa Conference on , 2-6 Dec. 1996
Pages:42 - 46

[Abstract]    [PDF Full-Text (424 KB)]    **IEEE CNF**

### 9 Parallel processing for power system security assessment with ope system techniques

*Chen, R.H.; Malik, O.P.; Hope, G.S.; Wheatley, R.;*
WESCANEX 93. 'Communications, Computers and Power in the Modern Environment.' Conference Proceedings., IEEE , 17-18 May 1993
Pages:330 - 336

[Abstract]    [PDF Full-Text (492 KB)]    **IEEE CNF**

### 10 Handling preprocessor-conditioned declarations

*Aversano, L.; Di Penta, M.; Baxter, I.D.;*
Source Code Analysis and Manipulation, 2002. Proceedings. Second IEEE International Workshop on , 1 Oct. 2002
Pages:83 - 92

[Abstract]    [PDF Full-Text (403 KB)]    **IEEE CNF**

### 11 Functional verification of a multiple-issue, out-of-order, superscal

**Alpha processor-the DEC Alpha 21264 microprocessor**
*Taylor, S.; Quinn, M.; Brown, D.; Dohm, N.; Hildebrandt, S.; Huggins, J.; Far C.;*
Design Automation Conference, 1998. Proceedings , 15-19 June 1998
Pages:638 - 643

[Abstract]    [PDF Full-Text (580 KB)]    **IEEE CNF**

---

12 **Timing verification of the 21264: A 600 MHz full-custom microproc**
*Shriver, E.J.; Hall, D.H.; Nassif, N.; Rahman, N.E.; Rethman, N.L.; Watt, G.; Farrell, J.A.;*
Computer Design: VLSI in Computers and Processors, 1998. ICCD '98.
Proceedings., International Conference on , 5-7 Oct. 1998
Pages:96 - 103

[Abstract]    [PDF Full-Text (64 KB)]    **IEEE CNF**

---

13 **A Windows-based interface for power system transient stability st**
*Madusuthanan, S.; Filipovic-Gledja, V.; Fernandopule, N.; Panetta, S.; Alden, R.T.I.;*
Electrical and Computer Engineering, 1998. IEEE Canadian Conference
on , Volume: 2 , 24-28 May 1998
Pages:774 - 777 vol.2

[Abstract]    [PDF Full-Text (696 KB)]    **IEEE CNF**

---

14 **Experience with the development of a microkernel-based, multiser operating system**
*Rawson, F.L., III;*
Operating Systems, 1997., The Sixth Workshop on Hot Topics in , 5-6 May 1{
Pages:2 - 7

[Abstract]    [PDF Full-Text (752 KB)]    **IEEE CNF**

---

15 **The query execution engine in Tandem's new ServerWare SQL pro(**
*Celis, P.; Zeller, H.;*
Parallel and Distributed Information Systems, 1996., Fourth International
Conference on , 18-20 Dec. 1996
Pages:289 - 291

[Abstract]    [PDF Full-Text (192 KB)]    **IEEE CNF**

---

Home | Log-out | Journals | Conference Proceedings | Standards | Search by Author | Basic Search | Advanced Search | Join IEEE | Web Account |
New this week | OPAC Linking Information | Your Feedback | Technical Support | Email Alerting | No Robots Please | Release Notes | IEEE Online
Publications | Help | FAQ| Terms | Back to Top

# Google™ Groups  Advanced Groups Search

**Find messages**    with **all** of the words    | multiple operating systems |   | 10 messages  ☑ |

with the **exact phrase**    |   |   | Sort by relevance ☑ |

**Google Search**

with **at least one** of the words |   |

**without** the words |   |

**Newsgroup**   Return only messages from the **newsgroup**   |   |

(Example: rec.games.misc, comp.os.*, *linux*)

**Subject**   Return only messages where the **subject** contains   |   |

**Author**   Return only messages where the **author** is   |   |

**Message ID**   Find the message with **message ID**   |   |

(Example: moderated-ng-faq-1-983174581@swcp.com)

**Language**   Return messages written in   | any language  ☑ |

**Message Dates**

◉ Return messages posted: | anytime  ☑ |

○ Return messages posted between | 12 ☑ | | May ☑ | | 1981 ☑ | and | 14 ☑ | | Apr ☑ | | 2004 ☑ |

**SafeSearch**   ◉ No filtering   ○ Filter using SafeSearch

©2004 Google

# Google
## Groups

multiple operating systems          | Search |   <u>Advanced Groups Search</u>
                                                 <u>Preferences</u>

## Groups

Results **1 - 10** of about **172,000** for <u>multiple **operating systems**</u>. (0.61 seconds)

**Sorted by relevance**   <u>Sort by date</u>

Related groups:   <u>comp.sys.mac.advocacy</u>
                  <u>comp.os.os2.misc</u>

Sponsored Links

### <u>Re: Apple's **multiple operating systems**</u>
... They could have **multiple operating systems**. ... Microsoft uses **multiple**
**operating systems** for different purposes, so why not Apple?
<u>comp.sys.mac.advocacy</u> - Jul 8, 2001 by Vshah101 - <u>View Thread (34 articles)</u>

### <u>Multiple Operating Systems</u>
Can someone tell me the best way to have **multiple operating systems**...
I have a new PC on the way... A Pentium 166 with a 2.1g drive. ...
<u>comp.os.os2.misc</u> - May 10, 1996 by Ken Stratton - <u>View Thread (7 articles)</u>

### <u>Re: **multiple operating systems** on one machine</u>
Hello, I would like to run **multiple operating systems** on my machine.
Currently I have DOS/Windows on my first drive (850 meg), Linux ...
<u>comp.os.ms-windows.win95.setup</u> - Dec 28, 1995 by kurt krueckeberg - <u>View Thread (2 articles)</u>

### <u>ps Tech Support TROUBLESHOOTING OF **MULTIPLE OPERATING SYSTEMS** ...</u>
START_OF_RESUME Resume_Geography: NY 12550 Contact_Date: 06-Jun-98 Subject:
Tech Support TROUBLESHOOTING OF **MULTIPLE OPERATING SYSTEMS** SUCH AS Psource ...
<u>misc.jobs.resumes</u> - Jun 10, 1998 by PeopleSearch - <u>View Thread (2 articles)</u>

### <u>US-NY-Long Island-Senior **Systems** Admin (**multiple operating** ...</u>
... ticg@net-temps.com _____
Job Title: Senior **Systems** Admin (**multiple operating systems**) Job Description ...
<u>li.jobs</u> - Oct 14, 1998 by The Infinity Consulting Group - <u>View Thread (2 articles)</u>

### <u>Re: **Multiple Operating Systems**</u>
Subj: Re: **Multiple Operating Systems** I have seen a product advertised called SYSTEM
COMMANDER which claims to allow you to boot/run MANY different **operating** ...
<u>bit.listserv.os2-l</u> - May 31, 1995 by Bob George - <u>View Thread (12 articles)</u>

### <u>Multiple operating systems</u>
... I work retail sales and was asked by a customer if pcAnywhere will be able to access
**multiple operating systems** at one time using **multiple** windows (within win ...
<u>symantec.support.win95.pca.general</u> - Apr 3, 1998 by Joseph Leitschuh - <u>View Thread (2 articles)</u>

### <u>Supporting **multiple operating systems**</u>
... Pentium ii/450, and the speed is acceptable.) My question (at last!) is: How do
other Help Desks handle the problem of supporting **multiple operating systems**? ...
<u>bit.listserv.hdesk-l</u> - Sep 22, 1998 by Martha Parrott - <u>View Thread (2 articles)</u>

### <u>Multiple operating systems</u>
I am trying to upgrade from W98SE to XP PRO but it states that I cannot

continue as I have **multiple operating systems** installed. ...
microsoft.public.win98.apps - Dec 10, 2003 by julie - <u>View Thread (2 articles)</u>

## <u>Upgrade fails because of **multiple operating systems** ?</u>
... and keep getting an error message that states that I have two **operating systems** therefore
Win 2000 cannot upgrade to a machine with **multiple operating systems**. ...
microsoft.public.win2000.setup_upgrade - Oct 19, 2002 by Cheryl - <u>View Thread (2 articles)</u>

# Goooooooooogle ▶
Result Page:    **1** <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u> <u>8</u> <u>9</u> <u>10</u>    **<u>Next</u>**

| multiple operating systems | Search |

<u>Groups Help</u>

<u>Google Home</u> - <u>Advertising Products</u> - <u>Business Solutions</u> - <u>About Google</u>

©2004 Google

# Google Groups

multiple operating systems    [Search]    Advanced Groups Search
Preferences

## Groups                                  Search result 3 for **multiple operating systems**

From: kurt krueckeberg (kkruecke@airmail.net)                    Search Result 3
Subject: Re: **multiple operating systems** on one machine
Newsgroups: comp.os.ms-windows.win95.setup          View: Complete Thread (2 articles)
Date: 1995/12/28                                              Original Format

patrick@rahul.net (Patrick May) wrote:

>Hello,
>        I would like to run **multiple operating systems** on my machine.
>Currently I have DOS/Windows on my first drive (850 meg), Linux on my
>second drive (another 850), and a DOS partition on my third drive
>(400 meg).  I'd like to install OS/2 and Windows 95 now, with NT to
>follow in the future.
>        Is there a requirement that all **operating systems** be loaded on
>one of the first two physical drives?  Is it possible to repartition
>my first physical drive to hold DOS/Windows, OS/2, Win95, and WinNT
>without changing my Linux drive?  How much space will I need for each
>OS?  Should I get Partition Magic to do this arranging?  Should I get
>System Commander to manage all these configs?
>        Thanks in advance for any insights, pointers, or instructions.
>Regards,
>Patrick May
Try this product, as described in a recent Byte magazine article on PC
**operating systems**.

"For those who run **multiple operating systems** from the same PC, V
Communications's System Commander is an indispensible utiltity.
System Commander lets you load and boot from several OSes, such as
DOS, Windows 3.1, Windows NT, Windows 95, and OS/2--on different disk
partitions or the same partition.  It will even work with an OS, such
as Windows 95, that requires installation on the boot sector of the
disk.  Boot-management utilities such as this are, in effect,
OS-independent, giving the user ready access tpo any PC **operating**
system.

regards,
Kurt Krueckeberg

Google Home - Advertising Products - Business Solutions - About Google

©2004 Google

All messages from thread

From: <u>GUSTAVO D. BOTVINIKOFF</u> (<u>GDBOT@CCGATE.HAC.COM</u>)     Message 1 in thread
Subject: multiple operating systems
Newsgroups: <u>comp.os.linux.development.system</u>
Date: 1997/08/28                                      <u>View this article only</u>

```
Does anybody know software which will allow management of several
operating systems.
I am looking for software that at boot-time will allow me to choose from
different operating systems?
For example: I am interested in having Windows 95, Windows NT, Windows
3.1, and Linux in the same hard drive.
```

From: <u>Rudolf Leitgeb</u> (<u>leitgeb@variable.stanford.edu</u>)     Message 2 in thread
Subject: Re: multiple operating systems
Newsgroups: <u>comp.os.linux.development.system</u>
Date: 1997/09/05                                      <u>View this article only</u>

```
In article <GDBOT-2808971329310001@x-147-17-239-98.es.hac.com>,
 GDBOT@CCGATE.HAC.COM (GUSTAVO D. BOTVINIKOFF) writes:
> Does anybody know software which will allow management of several
> operating systems.
> I am looking for software that at boot-time will allow me to choose from
> different operating systems?
> For example: I am interested in having Windows 95, Windows NT, Windows
> 3.1, and Linux in the same hard drive.

Theoretically no problem, if Windows NT wasn't _that_ dumb:
Windows NT (at least 3.51 did it) installs something in the
Idon'tknowwhat-partition/sector that will be destroyed by lilo. I'd
suggest, you partition with linux's fdisk, install all that MS-OSs and try
to get them to run (Just leave two partitions for linux and linux-swap).
Then, from your DOS/Windows 3.1 partition run loadlin to boot linux.

Win NT gives you a boot manager (which is a pain to set up) that allows you
to either boot DOS or Win NT. Maybe you are able to talk it into booting
Windows 95, too. From DOS you can boot Windows 3.1 or linux.

Hope that works for you

Rudi

--
```

```
       | | | | |
     \  _____  /
      / _____ \
  -- | o    o | --
  -- |        | --
  -- | \____/ | --
      _____/
    /          \
     | | | | |
```

```
       B O R N
         T O
      S L E E P
         I N
   T H E   S U N
```

Rudolf Leitgeb wrote:
>
> In article <GDBOT-2808971329310001@x-147-17-239-98.es.hac.com>,
>          GDBOT@CCGATE.HAC.COM (GUSTAVO D. BOTVINIKOFF) writes:
> > Does anybody know software which will allow management of several
> > operating systems.
> > I am looking for software that at boot-time will allow me to choose from
> > different operating systems?
> > For example: I am interested in having Windows 95, Windows NT, Windows
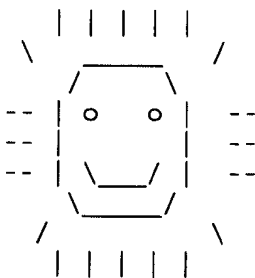> > 3.1, and Linux in the same hard drive.


No trouble with Linux, you just have to install lilo after window95
or NT because they force there own boot loader.

I personnaly have machines with Linux/Nt4 Linux/Nt3.5 Linux/W95
and it works fine. Now if you want to have NT and Window95 on the
same parition you just have to take two different directories for
OS installation. This will make you two reperitories and
many DLLs will be installed twice, user defaults and options
set under Word with W95 wont be seen from Word under NT and ....

Trouble: each time you will reinstalled NT or W95 Lilo multi boot
will be broken, in this case just take your Linux boot floppy.
Use root=/dev/hda2  (if Linux under 2th IDE partition) log has
root and type lilo, this will rebuilt your lilo bootstrap and
multi boot will work again.

From Dos and W3.1 loadlin works, I never test them it should work
under W95, I will be very surprized that it could work from NT.

Last thing: if your disk is small you can place Linux swap under dos
partition, in Windows tmp dir with following commands:
 # if not avaliable create swap area
 #SWAPFILE=/dosC/tmp/.linux.swp; export SWAP_FILE
 #if test -f "$SWAPFILE"
 #then
 #  echo "validated SWAP onto old $SWAPFILE"
 #else
 #  echo "WARNING: create new swap area $SWAPFILE"
 #  mkdir -p /dosC/tmp
 #  dd if=/dev/zero of=$SWAPFILE bs=1024 count=32768
 #  /sbin/mkswap $SWAPFILE 32768
 #  sync
 #fi
 #/sbin/swapon $SWAPFILE

Philippe Le Foll

> Theoretically no problem, if Windows NT wasn't _that_ dumb:
> Windows NT (at least 3.51 did it) installs something in the
> Idon'tknowwhat-partition/sector that will be destroyed by lilo. I'd
> suggest, you partition with linux's fdisk, install all that MS-OSs and try
> to get them to run (Just leave two partitions for linux and linux-swap).

```
> Then, from your DOS/Windows 3.1 partition run loadlin to boot linux.
>
> Win NT gives you a boot manager (which is a pain to set up) that allows you
> to either boot DOS or Win NT. Maybe you are able to talk it into booting
> Windows 95, too. From DOS you can boot Windows 3.1 or linux.
>
> Hope that works for you
```

**From:** David D. Gitchell (ddgitche@southwind.net)        **Message 4 in thread**
**Subject:** Re: multiple operating systems
**Newsgroups:** comp.os.linux.development.system
**Date:** 1997/09/06          **View this article only**

```
In article <GDBOT-2808971329310001@x-147-17-239-98.es.hac.com>,
        GDBOT@CCGATE.HAC.COM (GUSTAVO D. BOTVINIKOFF) writes:
> Does anybody know software which will allow management of several
> operating systems.
> I am looking for software that at boot-time will allow me to choose from
> different operating systems?
> For example: I am interested in having Windows 95, Windows NT, Windows
> 3.1, and Linux in the same hard drive.

As you have seen from some of the other posts, what you wish
to do can be fairly easily done.  I'm currently using OS/2
boot manager to switch between Linux, NT 4, and Win95, but
it can all be easily managed with NT's boot manager, and
the bootpart utility, along with lilo and dd under Linux.

The MSDos stuff will pretty easily manage multiple boot
between its various versions if you install in the right
order, and don't install into the same Windows directory.

Install DOS and 3.1 first to your C: partition.  Then install
Win95 to a *different* directory on the C: partition.  Win95's
boot menu (in response to the F8 key) will allow you to boot
back into the previous DOS version and Win3.1, if you desire.
Then install NT to a different partition, but leave the C:
partition as the active partition while you are doing that.
NT will set up a boot menu that will allow you to boot into
your old DOS (Win95), so that you can choose between NT and
Win95.  If you choose Win95 from that menu, you can still
use the F8 key while it is booting to switch to DOS/Win3.1.

Now the tricky part: adding Linux to the NT boot manager.
Thanks to Gilles Vollant, you can get his 'bootpart' utility at:
http://ourworld.compuserve.com/homepages/gvollant/bootpart.htm
and follow his instructions.  That's the easiest way. :)
You can even fix the MsDos boot, Win3.1, and Win95 boots
with his 'bootpart' utility, if things go wrong along the way.

Enjoy!

-- Dave
--------------------------------------------------------------
#include <std_disclaimer.h> /* I speak for myself, only. */|
--------------------------------------------------------------
LCDR David D. Gitchell, USN (Retired),   Hutchinson, KS, USA
ddgitche@southwind.net                   ddgitche@cs.twsu.edu
```

From: MarkoEr (markoer@nospam.usa.net)
Subject: Re: multiple operating systems
Newsgroups: comp.os.linux.development.system
Date: 1997/09/07

Message 5 in thread

View this article only

```
Philippe Le Foll wrote:

> Rudolf Leitgeb wrote:
> >
> > > Does anybody know software which will allow management of several
> > > operating systems.
> > > I am looking for software that at boot-time will allow me to choose from
> > > different operating systems?
> > > For example: I am interested in having Windows 95, Windows NT, Windows
> > > 3.1, and Linux in the same hard drive.
> >
> No trouble with Linux, you just have to install lilo after window95
> or NT because they force there own boot loader.

If you have Win95 release 2 (the OEM version) or the newMemphis with the
VFAT32, LILO can't manage them. It seems
that Linux could look this partition with a patch for the Kernel,
but at the moment it don't works right, and anyway LILO can't
manage it.

You have to make a very little partition (1 Mb) as the first partition
of the disk, and install a software like Partition Magic, that supports
the VFAT 32. Look for it with some search engine on the web.

HTH
```

From: Peter Pointner (peter@wuzel.m.isar.de)
Subject: Re: multiple operating systems
Newsgroups: comp.os.linux.development.system
Date: 1997/09/10

Message 6 in thread

View this article only

```
MarkoEr <markoer@nospam.usa.net> wrote:

: If you have Win95 release 2 (the OEM version) or the newMemphis with the
: VFAT32, LILO can't manage them. It seems
: that Linux could look this partition with a patch for the Kernel,
: but at the moment it don't works right, and anyway LILO can't
: manage it.

There is no need for LILO to know something about the filesystem
that an operating system uses. As long as you have a linux partition
to store some LILO-data, it can boot any other OS stored on a partition
reachable with BIOS-calls.
Some time ago I used LILO to boot an exotic Unix-variant. (The OS/2 boot
manager could not do the job, because this unix insisted on booting only
from the active partition.) There was no way to mount the partition under
Linux.

Peter
```

From: Troy Wu (troy@sixdegrees.com)

Message 7 in thread

Subject: Re: multiple operating systems
Newsgroups: comp.os.linux.development.system
Date: 1997/09/09

Well, LILO is the answer. But there are two ways, one of them already
elucidated by Philippe Le Foll <phillf@fridu.com>. He basically said
that you have to install Linux after win95 or NT because they FUBAR the
MBR (master boot record). He's right.

The other is to install Linux and put (or install) LILO to a floppy,
_then_ install NT. When you boot the machine, put the LILO floppy in,
and boot Linux. Edit '/etc/lilo.conf' so it looks something like this:

```
boot=/dev/hda
map=/boot/map
install=/boot/boot.b
prompt
timeout=50
image=/boot/vmlinuz
        label=linux
        root=/dev/hda3
        read-only
other=/dev/hda1
        label=dos
        table=/dev/hda
```

Be careful what you type. In particular, specify the correct
partitions. For example, my Linux partition is '/dev/hda3'. Yours may
differ. _PLEASE_ change accordingly! When you've edited the file,
save, exit. Then,

```
# lilo
```

to install (that's "lilo" at the root prompt). Then you're set to go.
Take out the LILO boot floppy, and you're set. You'll get a prompt:
'dos' to boot to win95/NT, 'linux' to boot...Yeah, you got it. Just
change the 'label=' value to change. After making a change to
'lilo.conf', be sure to run 'lilo' again.

Good luck.
--

  --troy
  troy@sixdegrees.com
  http://www.sixdegrees.com
  212.583.1234 (x42)

From: Mats Andtbacka (mandtbac@news.abo.fi)
Subject: Re: multiple operating systems
Newsgroups: comp.os.linux.development.system
Date: 1997/09/10

Message 8 in thread

Troy Wu, in <341565D7.3E8512F9@sixdegrees.com>:

>Well, LILO is the answer. But there are two ways, one of them already
>elucidated by Philippe Le Foll <phillf@fridu.com>. He basically said
>that you have to install Linux after win95 or NT because they FUBAR the

> ●                                              ●

>MBR (master boot record).  He's right.

FWIW, NTWS 4.0 doesn't. it only touched the partition's boot record on
my system, at least. '95 hoses the MBR, though.

>The other is to install Linux and put (or install) LILO to a floppy,
>_then_ install NT.

a LILO floppy is a lifesaver in most any event. let the lesser OS's
hose themselves all they want, so long as you can get Linux up to
clean up the mess they leave...
--
        "Yes i'm lonely..."
                _Yer Blues_, Lennon / McCartney


From: <u>Albert D. Cahalan</u> (<u>no_junk_mail_please@jupiter.cs.uml.edu</u>)        Message 9 in thread
Subject: Re: multiple operating systems
Newsgroups: <u>comp.os.linux.development.system</u>
Date: 1997/09/10                                        <u>View this article only</u>


Troy Wu <troy@sixdegrees.com> writes:

> Well, LILO is the answer.  But there are two ways, one of them already
> elucidated by Philippe Le Foll <phillf@fridu.com>.  He basically said
> that you have to install Linux after win95 or NT because they FUBAR the
> MBR (master boot record).  He's right.

Only WinNT does that. WinNT 4.0 left my LILO boot sector.

> The other is to install Linux and put (or install) LILO to a floppy,
> _then_ install NT.  When you boot the machine, put the LILO floppy in,
> and boot Linux.  Edit '/etc/lilo.conf' so it looks something like this: ...
> You'll get a prompt: 'dos' to boot to win95/NT, 'linux' to boot...
> Yeah, you got it.  Just change the 'label=' value to change.
> After making a change to 'lilo.conf', be sure to run 'lilo' again.

If you run WinNT and use LILO, make one of these true:
   a.  Run the very latest version of LILO.
   b.  Never run NT disk manager under any circumstances.

Better yet, keep LILO out of your master boot record.
The NT boot manager gives you a nice menu with NT, NT in
safe mode, DOS, and Linux. You must add Linux of course.

Here is config file #1, /etc/lilo.conf:

```
####################################################################
boot = /dos/bootsect.lin   # LILO in DOS file for NT boot
delay = 30                 # 3 seconds to select safe kernel
vga = normal               # force sane state

image = /dos/linux/kernel/2-1-55.ker  # anywhere LILO can reach
#  append="aha152x=0x340,11,7,1"      # adjust as needed
  root = /dev/hda7
  label = 2-1-47
  read-only

image = /dos/linux/kernel/2-0-28.ker
```

```
#   append="aha152x=0x340,11,7,1"          # adjust as needed
  root = /dev/hda7
  label = safe
  read-only
##############################################################

Config file #2 is C:\BOOT.INI for the NT bootloader.
Default to DOS in case some idiot plays with the power switch.
```

*Read the rest of this message...* *(31 more lines)*

# Google Groups

Web   Images   **Groups**   News   Froogle<sup>New!</sup>   **more »**

multiple operating systems    [Search]
Preferences

## Groups                                    **Search result 36** for **multiple operating systems**

**IP*Works! Internet Tools** • TCP/IP Components - HTTP, SOAP, FTP, SMTP, SSL, Server, NNTP,                 Sponsored
etc. • www.nsoftware.com                                                                              Links

**Unix** • Operating Systems Intel® Developer Services • www.intel.com

**Learn UNIX in 4 Days** • Hands-On Training & In-Depth Labs Public Schedule & On-Site
Courses • www.traininghott.com

From: <u>Gregory Scallan</u> (<u>gscallan@ajax.kgn.ibm.com</u>)                  Search Result 36
Subject: Re: Running **multiple operating systems** on one machine
Newsgroups: <u>comp.unix.aix</u>                                    View: <u>Complete Thread (3 articles)</u>
Date: 1993-04-21 15:07:31 PST                                          <u>Original Format</u>

```
> We are in the midst of converting our software over to use AIX 3.2.  We would
> like to make one or more of our machine so that they could be booted from
> either 3.1.5 or 3.2.  Has anyone done this?  Thanks.


Yes, you can.  Each operating system must be on its own boot device (i.e
hard disk).  You can change the "normal mode" boot device by using the
command bootlist -m normal [list of boot devices].  You cannot access
data on boot device 1 while running off of boot device 2, and vice versa.
I would recommend keeping data remote for this system.  What you could do
however is add a 3rd hard disk on a separate volume group known to both
boot devices.  This will enable data sharing across both operating systems
(i.e. updates made to data on 3rd disk while running on operating system 1
will be seen when switching to operating system 2).

Hope this helps,
Greg


_____
Gregory J. Scallan                   |  IBMnet:      GSCALLAN@KGNVMY
Graphics Systems Technical Center, AWSD  |  Internet:    spider@vnet.ibm.com
(914)385-5054  (T/L 695)             |  Sneakernet: 203-2-2-2, Kingston
```

<u>Google Home</u> - <u>Advertising Products</u> - <u>Business Solutions</u> - <u>About Google</u>

©2004 Google

All messages from thread

From: <u>Wayne Johnson</u> (<u>waynej@ncs.com</u>)                    Message 1 in thread
Subject: Running multiple operating systems on one machine
Newsgroups: <u>comp.unix.aix</u>
Date: 1993-04-21 11:43:30 PST                              <u>View this article only</u>

```
We are in the midst of converting our software over to use AIX 3.2.  We would
like to make one or more of our machine so that they could be booted from either
3.1.5 or 3.2.  Has anyone done this?  Thanks.
```

From: <u>Gregory Scallan</u> (<u>gscallan@ajax.kgn.ibm.com</u>)        Message 2 in thread
Subject: Re: Running multiple operating systems on one machine
Newsgroups: <u>comp.unix.aix</u>
Date: 1993-04-21 15:07:31 PST                              <u>View this article only</u>

```
> We are in the midst of converting our software over to use AIX 3.2.  We would
> like to make one or more of our machine so that they could be booted from
> either 3.1.5 or 3.2.  Has anyone done this?  Thanks.


Yes, you can.  Each operating system must be on its own boot device (i.e
hard disk).  You can change the "normal mode" boot device by using the
command bootlist -m normal [list of boot devices]. You cannot access
data on boot device 1 while running off of boot device 2, and vice versa.
I would recommend keeping data remote for this system.  What you could do
however is add a 3rd hard disk on a separate volume group known to both
boot devices.  This will enable data sharing across both operating systems
(i.e. updates made to data on 3rd disk while running on operating system 1
will be seen when switching to operating system 2).

Hope this helps,
Greg
```

```
Gregory J. Scallan                    |  IBMnet:      GSCALLAN@KGNVMY
Graphics Systems Technical Center, AWSD  |  Internet:    spider@vnet.ibm.com
(914)385-5054   (T/L 695)             |  Sneakernet: 203-2-2-2, Kingston
```

From: <u>Marc Wiz</u> (<u>mwiz@cia.austin.ibm.com</u>)                Message 3 in thread
Subject: Re: Running multiple operating systems on one machine
Newsgroups: <u>comp.unix.aix</u>
Date: 1993-04-21 16:41:50 PST                              <u>View this article only</u>

```
In article <1993Apr21.180351.24265@ncs.com> waynej@ncs.com (Wayne Johnson) writes:
>We are in the midst of converting our software over to use AIX 3.2.  We would
>like to make one or more of our machine so that they could be booted from either
>3.1.5 or 3.2.  Has anyone done this?  Thanks.
>

I used to do this by installing 3.1 on one disk and 3.2 on another.
I then used the bootlist command to switch which disk was to be booted.

You could also use the external SCSI "garage" to switch bootable disks.

Marc
```

```
mwiz@austin.ibm.com
(512)823-9330
Yes, that really is my last name.
I type only for myself.
```